

Title (en)

Three-dimensional laser driven display apparatus.

Title (de)

Gerät zur dreidimensionalen Anzeige unter Verwendung eines Lasers.

Title (fr)

Appareil de visualisation tridimensionnelle utilisant un laser.

Publication

EP 0271650 A1 19880622 (EN)

Application

EP 87113968 A 19870924

Priority

US 91749386 A 19861010

Abstract (en)

A three-dimensional laser driven display apparatus [10] for the controlled projection and manipulation of laser generated images toward the creation of a three-dimensional display [29]. The apparatus [10] comprises an image signal generator [25], raster generator [12], laser beam generator [11] and a varifocal mirror [13] wherein the image signal generator [25] and raster generator [12] spatially encode the laser beam image [32]. The laser beam [11] is reflected by the raster generator [12] onto the varifocal mirror [13], the vibration of which serves to spatially decode the laser beam image whereby a three-dimensional image [29] is viewable projected in space standing off of the surface [15] of the varifocal mirror [13]. The interposition of an imaging surface [33] between the raster generator [12] and the varifocal mirror [13] causes the three-dimensional display [29] to be viewed directly upon the surface [15] of the vibrating varifocal mirror [13].

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IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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